

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1.-12. (Cancelled)

13. (Currently Amended) A method for assembling heat exchanger elements including a fibrous mat, wherein the fibrous mat has a thickness of at least 25mm and includes fibers which are interconnected by a bonding agent, and at least one heat exchanging conduit for a heat exchanging medium, the heat exchanger elements being panel shaped and including at least two main surfaces averted from each other and a peripheral surface connecting the main surfaces, the method comprising:

attaching at least two heat exchanger elements adjacent to each other, to a room delimiting surface~~Method as claimed in claim 12,~~ wherein uncoated main surfaces of the fibrous mats are glued to said room delimiting surface, and

in a first step, a first row of heat exchanger elements are fastened with their first lateral surfaces situated side by side,

in a second step, holding elements are mounted to join the second side surfaces,

in a third step, a second row of heat exchanger elements are fastened so as to join said holding elements and their first side surfaces engaging each other,

in a fourth step, the two branch necks of each heat exchanger element are connected to a heat exchanger circuit,

in a fifth step, a cast mixture is applied over the heat exchanger elements and the at least two branch necks so that a substantially flat cast surface is obtained, wherein a thickness of the cast mixture is in a range of 2 to 8 mm and the at least one heat exchanging conduit is contained in the cast mixture, and wherein the cast mixture together with the at least one heat exchanging conduit, adheres to the fibrous mat.

14. (Currently Amended) A method for assembling heat exchanger elements including a fibrous mat, wherein the fibrous mat has a thickness of at least 25mm and includes fibers which are interconnected by a bonding agent, and at least one heat exchanging conduit for a heat exchanging medium, the heat exchanger elements being panel shaped and including at least two main surfaces averted from each other and a peripheral surface connecting the main surfaces, the method comprising:

attaching at least two heat exchanger elements adjacent to each other, to a room delimiting surface~~Method as claimed in claim 12,~~ wherein uncoated main surfaces of the fibrous mats, for fastening the heat exchanger elements, are glued to said room delimiting surface, wherein

in a first step, a first row of heat exchanger elements are fastened with their first lateral surfaces situated side by side, while spacer elements project from their second lateral surfaces,

in a second step, a second row of heat exchanger elements, their first lateral surfaces engaging each other, are fastened so that they join said second lateral surfaces and are spaced by spacer elements,

in a third step, the two branch necks of each heat exchanger element are connected to a heat exchanger circuit,

in a fourth step, covering elements are arranged at the spacer elements,
in a fifth step, a cast mixture is applied at least in regions with gaps over the heat
exchanger elements and the at least two branch necks so that a substantially flat cast
surface is obtained, wherein a thickness of the cast mixture is in a range of 2 to 8 mm and
the at least one heat exchanging conduit is contained in the cast mixture, and wherein the
cast mixture together with the at least one heat exchanging conduit, adheres to the fibrous
mat.

15. (Currently Amended) A method for assembling heat exchanger elements including a
fibrous mat with a thickness of at least 25mm and including fibers which are
interconnected by a bonding agent, the heat exchanger elements being panel shaped and
including at least two main surfaces averted from each other and a peripheral surface
connecting the main surfaces, at least one heat exchanging unit with two parallel extending
longitudinal channels each with a male and a female connector for a heat exchanging
medium and a cast coating layer on one of the main surfaces of the fibrous mat, the method
comprising:

attaching at least two heat exchanger elements adjacent to each other, to a room
delimiting surface,

~~Method as claimed in claim 12, wherein, for fastening on the room delimiting surface heat~~
~~exchanger elements comprising a fibrous mat, a cast coating layer on one main surface of~~
~~the fibrous mat, two parallel extending longitudinal channels each with a male and a~~
~~female connector and at least one conduit that interconnects said longitudinal channels, the~~
~~uncoated main surface surfaces of the fibrous mat-mats of the heat exchanger element~~
~~[[is]]are glued to said room delimiting surface, at least one further heat exchanger element~~

having a layer of glue at the uncoated main surface of the fibrous mat, which is oriented towards said room delimiting surface, is moved towards the heat exchanger element which has already been mounted, wherein during the movement the further heat exchanger element is tilted relative to the room delimiting surface, and the two male connectors of subsequently mounted heat exchanger elements are plugged into corresponding female connectors, of adjacent heat exchanger elements; and subsequently the connected further heat exchanger element is fixed on said room delimiting surface by the layer of glue applying a cast mixture over the heat exchanger elements and the connectors so that a substantially flat cast surface is obtained, wherein a thickness of the cast coating is in a range of 2 to 8 mm and the at least one heat exchanging conduit is contained in the cast coating, and wherein the cast coating together with the at least one heat exchanging conduit, adheres to the fibrous mat.

16.-24. (Cancelled)

25. (Currently Amended) ~~Method~~ The method as claimed in claim 13, wherein in a sixth step, a flat surface is obtained by grinding, and

in a seventh step, a cover coating is applied

26. (Currently Amended) ~~Method~~ The method as claimed in claim 14, wherein

in a sixth step, a flat surface is obtained by grinding, and

in a seventh step, a cover coating is applied

27. (Cancelled)